

NWS CHANGE FORM PART A			1. DATE SUBMITTED 5/17/00 Received 6/3/00	
This form is in three parts. Submitters must complete unshaded blocks in Part A and as much of Part B as possible. WSH will complete Part C (implementation details). If there is no specific required change date, enter 60 days from date submitted. Address questions to NWS Change Management at (301) 713-1373. Submit change requests to the NWSRC mailbox (External: NWSRC@noaa.gov).				
2. ORIGINATOR OFFICE APO		3. SUBMITTING AUTHORITY Name: Ward Seguin Routing Code: W/APO1		4. COGNIZANT TECHNICAL INDIVIDUAL Name: Jim Calkins Routing Code: W/OSD25 Phone: (301) 713-0056x148
5. ORIGINATOR TRACKING NUMBER P431_TDL_A100069 (WWA_P01)				
6. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> DATA PRODUCTS (Complete Data Products Supplement) <input type="checkbox"/> ASOS <input checked="" type="checkbox"/> AWIPS <input type="checkbox"/> CRS <input type="checkbox"/> NEXRAD <input type="checkbox"/> OTHER (specify) _____				7. WSH TRACKING NUMBER NWS 596 8/14/00
8. TITLE OF CHANGE Correcting discrepancies in Release 4.3.1 WWA software				
9. TYPE OF CHANGE <input type="checkbox"/> HARDWARE <input checked="" type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY			10. SITES AFFECTED (Attach Part B, Page 2, if needed) All sites	
11. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM (Include problem report reference numbers.) Problems have been identified with the Release 4.3.1 WWA software 1. Correct the formatting of the SPC watch number in SLS products 2. Correct problems with WWA intersite coordination 3. Correct the formatting of SLS clearing statements - adds a blank line between the UGC line and the headline in WWA products - corrects the formatting of CRS versions of NOW products 4. Corrects permissions on /awips/adapt/ifps/bin/www.bat that are not set correctly after 4.3.1 is installed. Associated DR - 5152				
12. KNOWN OR PROPOSED SOLUTION (Include source and description of new features or data products.) Three executables : wwwa, wwwaPush, and wwwastmt_srv, and change permissions on /awips/adapt/ifps/bin/www.bat . These fixes will be incorporated in AWIPS SW version 4.3.3 (partial) and 5.0 (final).				
13. ALTERNATE SOLUTIONS None				
14. REQUIRED CHANGE DATE ASAP		15. RATIONALE FOR REQUIRED CHANGE DATE (Include proposed priority, if known.) Effects critical WWA functionality		
CCB/PMC/CMB DECISION				
16. DECISION AUTHORITY LEVEL		<input checked="" type="checkbox"/> CCB LEVEL ONLY <input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED		
17. CCB LEVEL DECISION		<input type="checkbox"/> APPROVED <input type="checkbox"/> RECOMMEND APPROVAL <input type="checkbox"/> DISAPPROVED	SIGNATURE	
			DATE SIGNED	
FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED				
18. PMC OR NWS CMB DECISION		<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED	SIGNATURE	
			DATE SIGNED	

NWS CHANGE FORM PART B		1. ORIGINATOR TRACKING NUMBER P431_TDL_A100069	
All RC/ECP submissions must also address the following information. Indicate if any areas are unknown or do not apply. State why information is unknown and when it will be available. Attach extra pages if necessary, referencing each applicable subject.		2. WSH TRACKING NUMBER NWS 596	
FUNDING INFORMATION			
Estimate costs and indicate known sources of funding. (Include travel time, installation time, administrative time, and software development time when applicable.)		3. SOURCE OF FUNDING	4. TOTAL COST \$
5. DEVELOPMENT COSTS (Estimate development costs) This cost is associated with Release 5.0 development		KMOD _____ BASE	AMOUNT
6. OPERATIONAL TEST AND EVALUATION COSTS (Estimate test and evaluation costs) N/A		BASE	AMOUNT \$0
7. PRODUCTION COSTS (Include acquisition, kit proofing, spares, delivery, and documentation costs)		KMOD _____ BASE	AMOUNT \$0
8. COMMUNICATIONS SERVICE/CIRCUITS COSTS (Include installation and recurring costs) N/A			AMOUNT \$0
9. IMPLEMENTATION SUPPORT COSTS (Include travel, installation, and administrative costs) None		KMOD _____ BASE	AMOUNT \$
9A. LIFE CYCLE SUPPORT COSTS (Less communications service/circuits) Contractor (PRC) - NCF Operations		KMOD _____	AMOUNT Unknown
SUPPORTING INFORMATION AND SCHEDULES Provide detailed information needed to implement the requested change.			
10. DEVELOPMENT STATUS/SCHEDULE (Major milestones such as Start, Beta Test, and OT&E) N/A		11. PRODUCTION STATUS/SCHEDULE (Major milestones such as Solicitation, Contract Start Date, Delivery Date, Kit Proofing, etc.) N/A	
12. IMPLEMENTATION/RETROFIT SCHEDULE ASAP		13. FACILITY INFORMATION (Attach facility drawings/plans.) N/A	
14. COMMUNICATIONS INSTALLED (Type required, who will order, and associated hardware required; attach Part B, Page 2, if needed.) N/A		15. COMMUNICATIONS SERVICE/CIRCUITS TO BE REMOVED N/A	
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES (Include person or organization responsible for obtaining each) N/A		17. COORDINATION OF CHANGE WITH OTHER CHANGES This software is installed on a AWIPS Version 4.3.1 system.	
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED (Include part, serial, and document numbers. Attach Part B, Page 2, if needed.) N/A		19. STAFF RESOURCE IMPACTS (Skills and workload impact on maintainers, operators, and managers.) No recurring workload impacts.	
20. LOGISTICS IMPACTS (Include facilities, maintenance, training, and support equipment impacts.) N/A		21. OPERATIONAL IMPACTS (Include continuity and back up needs and plans.)	
22. ADDITIONAL MAJOR CHANGE ACTIVITIES (Include who will accomplish each of them and staff hours required.) SST member Jim Calkins will perform all the major activities. 16 hours of staff time			

NWS CHANGE FORM PART B - PHYSICAL ITEM AND DOCUMENT IMPACT MATRIX SUPPLEMENT							1. ORIGINATOR TRACKING NUMBER P431_TDL_A100069		
This information is required prior to publication of Engineering Modification Notes and Software Release Notes. List physical items to be replaced and specify any changes in related documentation. (Submitters should complete this information, if known. WSH will assist.)							2. WSH TRACKING NUMBER NWS 596		
3. ITEM NAME, CIRCUIT TYPE, SOFTWARE VERSION, OR SITE LOCATION	4. REMOVE REPLACE MODIFY	5. SUPERSEDED ITEM OR CONFIGURATION		6. SUPERSEDING PART NUMBER OR NEW CONFIGURATION	7. DOC TYPE	8. SUPERSEDED DOCUMENT		9. SUPERSEDING DOCUMENT	
		A. PART	B. SERIAL NUMBER(S) OR			A.	B.	A.	B. REV
AWIPS SOFTWARE PATCH MOD-NOTE 1									
Standard Install scripts									
Patch install script									

AWIPS SOFTWARE PATCH MOD-NOTE 1 (for AWIPS System Administrator)

OSD: Ken Sperow

SUBJECT : New WWA 4.3.1 executables
Patch number: P426_TDL_A100069 (RC NWS 596)

PURPOSE : Install new WWA executables at R4.3.1 sites

SECURITY LEVEL : root

Install new WWA executables at R4.3.1 sites

The OSD/SST has identified several issues with the WWA software in R4.3.1. As a result, new versions of wwa, wwastmt_srv, and wwaPush have been developed. It is **strongly** recommended that sites install this patch as soon as possible after upgrading to R4.3.1.

The issues resolved with the new software are:

- wwa - Formats the correct SPC watch number in SLS products generated via WWA.
- wwaPush - Pushes the correct version of WWA/Warngen products to adjacent offices.
- wwastmt_srv - Corrects the format of SLS clearing statements.
 - Adds a blank line between the UGC line and the headline.
 - Corrects the format of NOW products for the CRS.

Also, during the R4.3.1 installation, wwa.bat has the +s attribute set. This has been known to cause problems at some offices with regards to wwa launching from the root menu. The installation script will remove the +s attribute.

Below is a set of installation procedures to install the new WWA 4.3.1 executables. This installation will take approximately 5 minutes.

The
sites
need to
first
downloa
d the
"wwa43
1new.tar
" file

IMPORTANT

The WWA executables for P431_TDL_A1000?? are only compatible with AWIPS R4.3.1.
Do NOT install this patch unless you have upgraded your system to AWIPS R4.3.1!!!

from the NOAA1 server, then unbundle it for the installation scripts and the new executables.

During the installation (step 7, below):

1. Original executables will be backed as “/awips/adapt/ifps/bin/name.orig” on ds1, where name is the name of the executable.
2. The patch log (“/awips/PatchLog”) on ds1 will be automatically updated.

To install new WWA software, please execute the following:

1. On a workstation, open a telnet window and log in as the awipsusr login. In the telnet window, rlogin to the DS1 server as the root user by entering the command:

```
rlogin ds1 -l root
```

2. Change to the “/awips/adapt” directory by entering the command:

```
cd /awips/adapt
```

3. Connect to the NOAA1 ftp server by entering the command:

```
ftp 165.92.30.15
```

Once you are connected to the NOAA1 ftp server, login as **anonymous** user.

4. Get the “wwa431new.tar” file by entering the commands:

```
binary
```

```
hash
```

```
cd /pub
```

```
get wwa431new.tar
```

```
bye
```

5. Unbundle the “wwa431new.tar” file to get two script files (“install_wwa431.sh” and “installPatchP431_TDL_A1000???.sh”) and three executables (“wwa”, “wwaPush”, and “wwastmt_srv”). To do this, please enter:

```
tar xvf wwa431new.tar
```

Note: You do not need to call the NCF before performing the next step.

6. Stop the old wwastmt_srv process.

```
rlogin as1
```

```
ps -ef |grep wwastmt_srv
```

kill <pid> (where <pid> is the process ID of wwastmt_srv. NOTE: If there are more than one version of wwastmt_srv running, someone is using WWA on one of the workstations. Please exit all WWA programs, then kill the wwastmt_srv.)

```
exit
```

7. Install new WWA software on ds1 and update the patch log file (“/awips/PatchLog”).

To do this, enter the command:

```
./installPatchP431_TDL_A1000??.sh -i ./install_wwa431.sh
```

Note: Respond to the questions that appear as follows:

- A. Are you ready to run the patch install/uninstall script? [y/n]
Action: To proceed, please enter: **y** and a carriage return.

Note: After the installation script (install.sh) is complete, you will be asked to answer three [y/n] questions, and to enter your name and phone number to update the patch log:

- B. Do you wish to proceed with the patch log update? [y/n]
Action: To proceed, please enter: **y** and a carriage return.
- C. Please enter your name [Example: John Doe]:
Action: enter your name.
- D. Please enter your telephone number (with area code and ext):
Action: enter your phone number.
- E. Do you wish to update patch log with this line? [y/n]
Action: To complete the patch log update, enter: **y** and a carriage return.

8. Delete the tar file and install script (install_wwa431.sh) by typing:

```
rm wwa431new.tar  
rm install_wwa431.sh
```

Note: The “installPatchP431_TDL_A1000??.sh” script will not be deleted because it may be needed in Part B.

9. Exit the root login and close the telnet window by the commands:

```
exit
exit
```

10. Report the completed modification on a WS Form A-26 according to instructions in Engineering Handbook 4 (EHB-4), Part 2, and in EHB-4, Appendix H. In the following blocks place the following:
block 5, description: **Perform Modification I.A.W. Software Patch Modification Note 1**
block 7, equipment code: **AWIPS**
block 8, serial number: **001**
block 15, comments: **Upgrade System Software with patch P431_TDL_A1000??**
block 17a, mod. number: **S1**

Congratulations, your installation is complete.

For questions or problems regarding these install instructions or running the wwa program, please contact Jim Calkins of the AWIPS Site Support Team at (301) 713-0920 ext 120.

Part B: To uninstall part or all of the patch

The following is necessary only if you need to uninstall part or all of the patch and replace it with the original executable(s).

Should you decide to uninstall part/all of this patch and put the old executable(s) back, please do the following.

1. Open a telnet window.
2. Perform the following commands:
 - A. `rlogin ds1 -l root`
 - B. `cd /awips/adapt/ifps/bin`

Note: To uninstall a particular component of this patch, refer to the instructions in steps 3, 4, and/or 5. To uninstall the entire patch at once, refer to step 6 only.

3. To remove the new version of wwa ONLY:
 - A. `mv ./wwa ./wwa.new`
 - B. `cp ./wwa.431 ./wwa`
 - C. `chown ifps:awips ./wwa`
 - D. `chmod 7777 ./wwa`
4. To remove the new version of wwaPush ONLY:

- A. `mv /awips/fxa/bin/wwaPush awips/fxa/bin/wwaPush.new`
- B. `cp /awips/fxa/bin/wwaPush.431 /awips/fxa/bin/wwaPush`
- C. `chown ifps:awips /awips/fxa/bin/wwaPush`
- D. `chmod 7777 /awips/fxa/bin/wwaPush`

5. To remove the new version of wwastmt_srv ONLY:

- A. `rlogin as1`
- B. `ps -ef |grep wwastmt_srv`
- C. `kill <pid>` (where <pid> is the process ID of wwastmt_srv. NOTE: If there are more than one version of wwastmt_srv running, someone is using WWA on one of the workstations. Please exit all WWA programs, then kill the wwastmt_srv.)
- D. `exit`
- E. `mv ./wwastmt_srv ./wwastmt_srv.new`
- F. `cp ./wwastmt_srv.431 ./wwastmt_srv`
- G. `chown ifps:awips ./wwastmt_srv`
- H. `chmod 7777 ./wwastmt_srv`

6. To remove the entire patch at once:

- A. `cd /awips/adapt`
- B. `./installPatchP431_TDL_A1000??.sh -r`

Answer the questions and requests for information as follows:

- a. Do you wish to continue? [y/n]
Action: To proceed, please enter: **y** and a carriage return.
- b. Do you wish to proceed with the patch log update? [y/n]
Action: To proceed, please enter: **y** and a carriage return.
- c. Please enter your name [Example: John Doe]:
Action: enter your name.

- d. Please enter your telephone number (with area code and ext):
Action: enter your phone number.
- e. Do you wish to update patch log with this line? [y/n]
Action: To complete the patch log update, enter: **y** and a carriage return.

Richard K. Thigpen (signed May ??, 2000)
Chief, AWIPS Operations Management Division